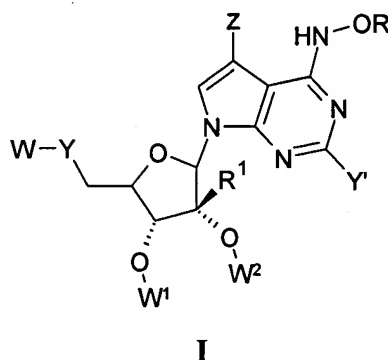


Listing of Claims:

Claim 1 (currently amended): A compound of Formula I below:



wherein:

W is selected from the group consisting of hydrogen, monophosphate, diphosphate, and triphosphate; [[,]]

~~W¹ and W² are independently selected from the group consisting of hydrogen and a pharmaceutically acceptable prodrug;~~

R is selected from the group consisting of hydrogen or (C₁-C₃)alkyl;

R¹ is selected from the group consisting of hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, alkynyl and substituted alkynyl;

Y is a bond, -CH₂- or -O-;

Y' is selected from the group consisting of hydrogen, halo, hydroxyl, thioalkyl, amino and substituted amino;

Z is selected from the group consisting of formyl, ~~acyl, cyano, carboxyl, carboxyl ester, -C(O)NR²⁰R²¹, halo, -B(OH)₂, -C(=NR²)R³, nitro, alkenyl, substituted alkenyl, acetylenyl and substituted acetylenyl of the formula -C≡C-R⁴;~~

~~where R² is selected from the group consisting of hydrogen, OH, OR⁵ amino, substituted amino, and (C₁-C₂)alkyl, where R⁵ is selected from the group consisting of alkyl and substituted alkyl;~~

~~R³ is selected from the group consisting of hydrogen, alkyl, substituted alkyl, amino and substituted amino;~~

R^4 is selected from the group consisting of hydrogen, phenyl, substituted phenyl, heteroaryl, substituted heteroaryl, $-\text{Si}(R^8)_3$, carboxyl, carboxyl esters, and $-\text{C}(\text{O})\text{NR}^6\text{R}^7$ where R^6 and R^7 are independently hydrogen, alkyl or R^6 and R^7 together with the nitrogen atom pendent thereto are joined to form a heterocyclic, substituted heterocyclic, heteroaryl or substituted heteroaryl group; and

each R^8 is independently $(\text{C}_1\text{-C}_4)$ alkyl or phenyl; ~~and~~

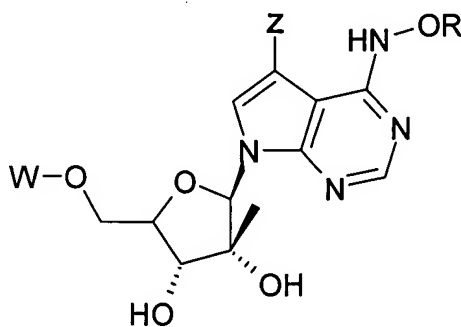
~~R^{20} and R^{21} are independently hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocyclic and substituted heterocyclic or R^{20} and R^{21} , together with the nitrogen atom pendent thereto form a heterocyclic or substituted heterocyclic group;~~

or pharmaceutically acceptable salts thereof.

Claim 2 (currently amended): A compound of claim 1 wherein, ~~W is selected from the group consisting of hydrogen, monophosphate, diphosphate, and triphosphate.~~

Claims 3-4 (canceled).

Claim 5 (currently amended): A compound of Formula II



II

wherein:

W is selected from the group consisting of hydrogen, monophosphate, diphosphate, and triphosphate ~~and a pharmaceutically acceptable prodrug;~~

R is selected from the group consisting of hydrogen or (C₁-C₃)alkyl;

Z is selected from the group consisting of formyl, ~~acyl, cyano, carboxyl, carboxyl ester,~~
~~-C(O)NR²⁰R²¹~~; halo, -B(OH)₂, ~~-C(=NR²)R³~~, nitro, alkenyl, substituted alkenyl, acetylenyl and
substituted acetylenyl of the formula -C≡C-R⁴;

~~where R² is selected from the group consisting of hydrogen, OH, OR⁵ amino,~~
~~substituted amino, and (C₁-C₂)alkyl, where R⁵ is selected from the group consisting of alkyl and~~
~~substituted alkyl;~~

~~R³ is selected from the group consisting of hydrogen, alkyl, substituted alkyl, amino and~~
~~substituted amino;~~

R⁴ is selected from the group consisting of hydrogen, phenyl, substituted phenyl,
heteroaryl, substituted heteroaryl, -Si(R⁸)₃, carboxyl, carboxyl esters, and -C(O)NR⁶R⁷ where R⁶
and R⁷ are independently hydrogen, alkyl or R⁶ and R⁷ together with the nitrogen atom pendent
thereto are joined to form a heterocyclic, substituted heterocyclic, heteroaryl or substituted
heteroaryl group; and

each R⁸ is independently (C₁-C₄)alkyl or phenyl; ~~and~~

~~R²⁰ and R²¹ are independently hydrogen, alkyl, substituted alkyl, aryl, substituted aryl,~~
~~heteroaryl, substituted heteroaryl, heterocyclic and substituted heterocyclic or R²⁰ and R²¹;~~
~~together with the nitrogen atom pendent thereto form a heterocyclic or substituted heterocyclic~~
~~group;~~

or pharmaceutically acceptable salts thereof.

Claim 6 (currently amended): A compound of claim 5 wherein, W is ~~selected from the~~
~~group consisting of hydrogen, monophosphate, diphosphate, and triphosphate.~~

Claim 7 (canceled).

Claim 8 (currently amended): A compound of Claim 7 1 or 5 wherein, Z is selected from formyl, nitro, ~~bromo~~ bromo, iodo, and $-C\equiv C-R^4$ and R^4 is selected from H, phenyl, and $-\text{Si}(\text{CH}_3)_3$.

Claim 9 (currently amended): A compound selected from the group consisting of:

1-(6-hydroxylamino-7-ethynyl-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (1);

1-(6-hydroxylamino-7-(2-phenylethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (2);

1-(6-hydroxylamino-7-(2-(pyridin-2-yl)-ethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (3);

1-(6-hydroxylamino-7-(2-(4-fluorophenyl)ethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (4);

1-(6-hydroxylamino-7-(2-(4-methylphenyl)ethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (5);

1-(6-hydroxylamino-7-(2-carboxylethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (6);

~~1-(6-hydroxylamino-7-(2-ethyl-carboxylethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (7);~~

1-(6-hydroxylamino-7-(2-ethylcarboxylethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (7);

1-(6-hydroxylamino-7-(2-carboxamidoethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (8);

1-(6-hydroxylamino-7-(2-trimethylsilylethyn-1-yl)-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (9);

1-(6-hydroxylamino-7-ethenyl-7-deazapurin-9-yl)-2-methyl- β -D-ribofuranose (10);

1-(6-hydroxylamino-7-formyl-7-deaza-purin-9-yl)-2-methyl-β-D-ribofuranose
(11);

~~1-(6-hydroxylamino-7-(carbaldehyde—oxime))-7-deazapurin-9-yl)-2-~~
~~methyl β-D-ribofuranose (12);~~

~~1-(6-hydroxylamino-7-(boronic—acid)-7-deazapurin-9-yl)-2-methyl β-D-~~
~~ribofuranose (13);~~

1-(6-hydroxylamino-7-(boronic acid)-7-deazapurin-9-yl)-2-methyl-β-D-
ribofuranose (13);

1-(6-hydroxylamino-7-(2,2-difluorovinyl)-7-deazapurin-9-yl)-2-methyl-β-D-
ribofuranose (14);

1-(6-hydroxylamino-7-(2-*cis*-methoxyvinyl)-7-deazapurin-9-yl)-2-methyl-β-D-
ribofuranose (15);

1-(6-hydroxylamino-7-nitro-7-deaza-purin-9-yl)-2-methyl-β-D-ribofuranose (16);

~~1-(6-hydroxylamino-7-cyano-7-deaza-purin-9-yl)-2-methyl β-D-ribofuranose~~
~~(17);~~

1-(6-methoxyamino-7-ethynyl-7-deazapurin-9-yl)-2-methyl-β-D-ribofuranose
(18);

1-(6-methoxyamino-7-nitro-7-deaza-purin-9-yl)-2-methyl-β-D-ribofuranose (19);

1-(6-methoxyamino-7-formyl-7-deaza-purin-9-yl)-2-methyl-β-D-ribofuranose
(20);

and pharmaceutically acceptable salts thereof.

Claim 10 (original): A pharmaceutical compositions comprising a pharmaceutically acceptable diluent and a therapeutically effective amount of a compound of any one of Claims 1, 5 and 9.

Claims 11-12 (canceled).